opentec

RPDA 6 User Guide (August 2009)

Covers the following Rugged Personal Data Assistant models:

RPDA 6-I *(industrial/commercial model)*
'Openfire' RPDA 6-M *(Mil-spec model)*

For when the going gets beyond tough

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EMC and Safety Notice

Federal Communications Commission (US FCC)Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and radiates radio frequency energy and if not installed and used in accordance with the instructions, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

Countermeasures if interference occurs

You are encouraged to do the following if interference occurs while you are operating the device:

- Turn OFF the unit and unplug the AC adapter from the outlet to see if the interference disappears.
- Connect the AC adapter to the outlet in another room and check if the interference still exists.
  - Use an outlet that is far away from the interfered appliance.
  - Re-orient your computer in respect to the interfered appliance to see if there is improvement.

If all of these failed, please call your dealer for help.

CE

This equipment complies with the requirements set out in the Council Direction on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility (89/336/EEC). For the evaluation regarding the electromagnetic compatibility, the following standards were applied:

EN55022 +A2:2003 Class B EMI Conduction and Radiation
EN61000-3-2 Harmonics
EN61000-3-3 +A1:2001 Flicker (Voltage fluctuation)

EN55024 EMS
EN61000-4-2 +A2:2001 ESD
EN61000-4-3 +A1:2002 RS
EN61000-4-4 +A2:2001 EFT
EN61000-4-5 +A1:2001 Surge
EN61000-4-6 +A1:2001 CS
EN61000-4-8 Power-Frequency Magnetic Field
EN61000-4-11 +A1:2001 Voltage Dips and Voltage Interruptions

LVD EN60950-1:2001

ETSI EN301 489-01 V1.4.1 EMC Standards for Radio Equipment

ETSI EN 301 489-17 1.2.1 EMC Standards for 2.4GHz Wideband Transmission Systems)

ETSI EN 300 328-2 V1.2.1 EMC Standards for Using Spread Spectrum Modulation Techniques

UL, TÜV

AC Adapter (EN60950 LVD is included in TÜV)

Environmental Information, Material Safety and Recycling

Caution: *Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.*

All materials used in the construction of this equipment are recyclable or environmentally friendly.

Please recycle the packing materials, and at the end of the product's life, all other materials by local regulations.

Please refer “Material and Recycling” for the contents of the materials.

- The equipment may still contain tiny amount of hazardous substances for health and environment, though those are below control level.
- To avoid spreading such substances into the eco system, and to minimize the pressure on the natural, you are encouraged to use the appropriate take-back. Those will reuse or recycle most of the materials in a sound way after end life.
- The crossed bin symbol indicates proper disposal is required.
- For more information on collection, reuse and recycling, please consult local or regional waste administration.
- You can also contact the dealer for more information on the environmental details of the equipment.

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GETTING STARTED

Unpacking

The following components come with your handheld computer. If anything is missing or damaged, please notify the dealer immediately.

- RPDA Rugged Personal Data Assistant basic unit (with any factory fitted options)
- 240VAC power adapter
- Vehicle power adapter
- User Information CD containing User Guide and any updated software drivers
- Data sync cable (USB to mini-USB)
- Spare stylus (with tether)
- Microsoft Mobile operating software master CD

Quick Check

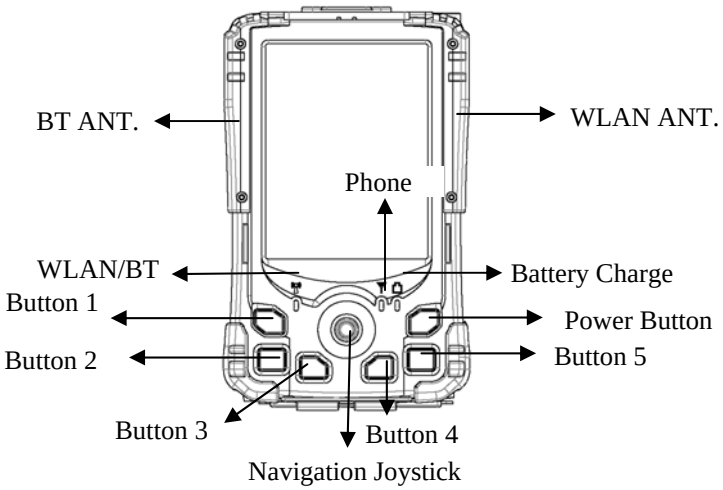
- Attach the AC adapter to AC outlet. LED on adapter indicates the power is ready.
- Insert the battery and then plug in the adapter to handheld computer. Charge LED will light up till the battery is full charged. Charge time is approximately 4 hours.

  It's recommended that battery is fully charged before setting up.
- Press the power button momentarily to turn ON (the most upper-right button is power button).
- Tap **Start → Programs** to try some programs.
- Press power button momentarily to turn OFF.

> ***Notice:***
>
> ***The handheld computer is always powered. Even main battery is removed there is internal backup battery to sustain memory data (for <5 minutes approximately). The power button only activates suspend (OFF = suspend on this manual).***
>
> ***Please check battery status regularly and recharge when necessary.***

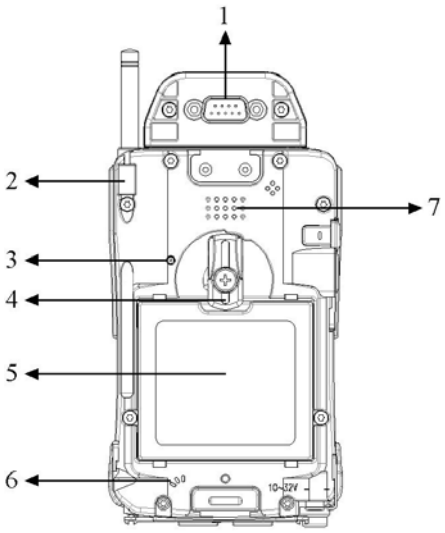
Controls, Indicators, and Ports

Front:



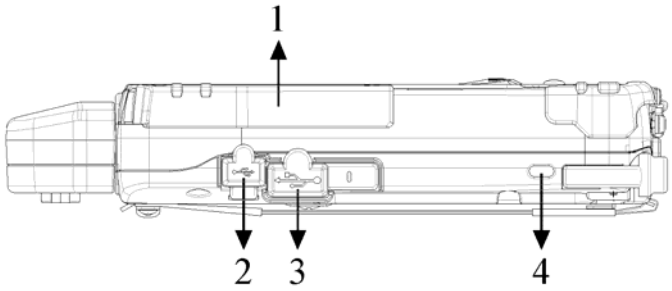
1. **Button 1** (Wireless or Flight button)
2. Turn ON/OFF the wireless device (Option: WLAN, Bluetooth, Phone, GPS)
3. **Button 2** (User programmable or Dial button on Phone edition)
4. **Button 3** (User programmable)
5. **Navigation Joystick**
   [**Left**], [**Right**], [**Up**], [**Down**] 4 directions
   [**Enter**] at the center
6. **Button 4** (User programmable)
7. **Button 5** (User programmable or 'Hang Up' button if Phone option fitted)
8. **Power Button**
   Suspend or Wake Up the system.
9. **Battery Charge Indicator** (Charging: ON Orange, Full: OFF)
10. **GSM/3.5G Indicator** (Green)
11. **WLAN/Bluetooth Indicator** (Blue)

Rear: (Drawing shows optional GPS antenna fitted)



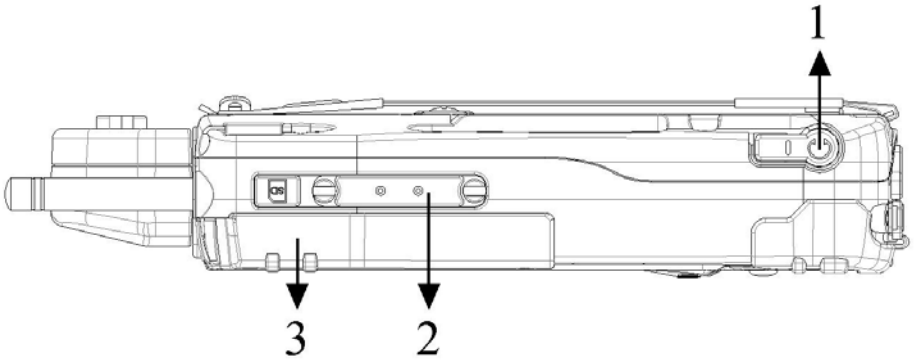
1. Serial Port DB9 Connector
2. Stylus
3. Reset Button
4. Battery Knob
5. Battery
6. Microphone
7. Speaker (under hand strap)/
   Phone Receiver

Left: (Drawing shows optional GPS)



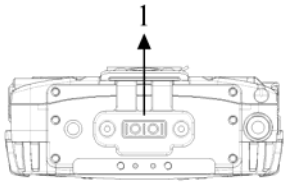
1. Antenna of Wireless Device
2. USB client port (data sync with the computer)
3. USB Host Port
4. Kensington Lock Slot

Right: (Drawing shows option GPS)



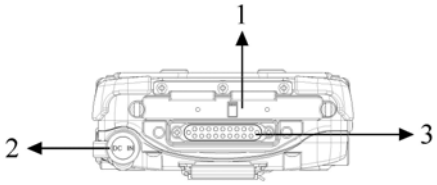
1. Microphone/Earphone Jack
2. SD I/O Slot (Secured Digital Card and Device)
3. 2nd Antenna (Option)

Top:



1. Serial Port or GPS Antenna

Bottom:



1 PCMCIA Slot

One PCMCIA type II Slot

CF (Compact Flash card) will be available by PCMCIA-to-CF adapter.

2 DC Jack

3 Cradle Docking Connector

(Connection to cradle)

Operating Environment and Ruggedness

If it is necessary to work in a hostile environment, please make sure all ports are well protected from dust, moisture, or water. Proper isolation from extreme hazardous exposure is recommended.

The computer is designed with rugged features of vibration, shock, dust, and rain/water protection. However, it is still necessary to provide appropriate protection while exposing to harsh environments.

All connectors will decay or corrode if exposed to water or moisture. Corrosion is accelerated if the power is ON. Please take proper water-resistant measures for cable connections.

The DC jack is sealed type which may be operated with water splashing while DC power cord attached. All other port caps should be in place when no cable is attached. Regularly maintain the computer by cleaning dust, water, etc. will help keeping it in optimal condition.

There is no isolated compartment for SD slot, PCMCIA slot, and docking. These ports must be tightly sealed while working with dust and water.

Notice: At low temperature both LCD and battery activity are lower. May takes up to few minutes for display to become normal, and battery capacity may decrease.

COMPONENTS AND FUNCTIONS

AC adapter

When using the AC adapter:

- Use a properly grounded AC outlet.
- Use one AC outlet exclusively for the computer. Having other appliances on the same line may cause interference.
- Use a power strip with built-in surge protection.

The AC adapter automatically detects the AC line voltage (110V or 220V) and adjusts accordingly.

Battery

The computer will automatically switch to battery power when the external power source (AC adapter) is disconnected.

Battery Power Saving Tips

- Turn OFF the LCD backlight when it is visible with external light.
- Lower the intensity of the backlight.
- Shut down the computer when not to use for a longer time.

Battery Low

When the battery is nearly exhausted, the computer prompts a warning window. Once the Battery Low warning occurs, please do either or all of the following:

- Save and close the files you are currently working on.
- Plug in the AC adapter to recharge the battery.
- Swap a charged battery.

Charge Battery

- Plug in AC adapter will charge the battery automatically. If the battery is already full, the system will stop charge automatically.
- Dock to optional cradle + adapter will charge battery, too. Cradle has a battery slot to charge another battery simultaneously.
- Connect USB client cable to laptop or PC to charge battery but it needs approximately 15 hours for a full charge.
- The USB client connector on cradle has no battery charge function.

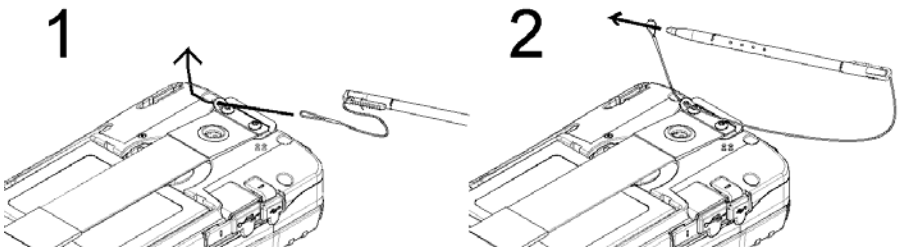
Swapping Battery

Warning: Battery swap should be done within 5 minutes to avoid data loss.

To swap the battery:

- Turn power OFF.
- Turn the battery knob counterclockwise to loose the battery.
- Remove battery from compartment.
- Insert a new battery.
- Press the battery down and turn battery knob clockwise to lock it.
- Press power button to turn ON the computer.

Fix the stylus with tether

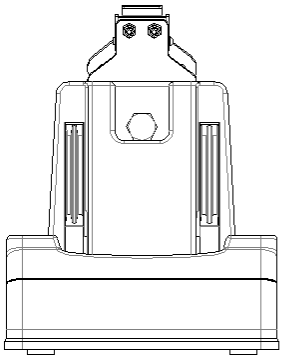


1. Tether wire through the fixing plate.
2. Stylus through tether wire.

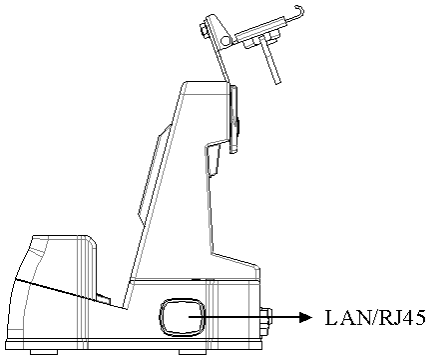
Cradle (Option)

Cradle is the device for docking, port extension, and battery charging. AC adapter may attach directly to cradle and charges the computer battery as well as spare battery. There is a battery slot on the back of cradle to mount spare battery.

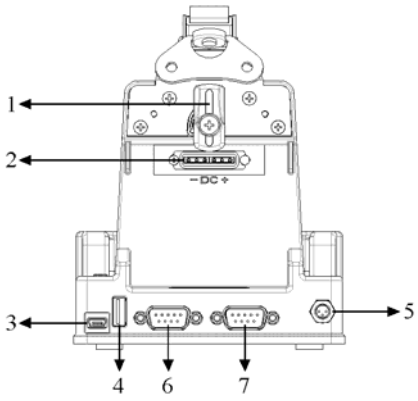
Front:



Right:



Rear:



Mounting RPDA in cradle:

1. Battery Lock
2. Spare Battery Charger
3. USB Client (No charging function)
4. USB Host
5. DC IN
6. COM Port
7. Option COM Port
   (I-version cradle with DC in port only

1. Computer may dock either power is ON or OFF (recommend OFF).
2. Align the computer with cradle docking connector.
3. Firmly push the computer down to engage the docking connector.
4. Turn rotary latch to fix the computer.

Remove from the cradle:

1. Turn loose the rotary latch to release computer.
2. Pull away the computer either power is ON or OFF.

Mount spare battery: (Spare battery is optional)

Perform the same procedure as mounting primary battery on computer. Cradle will charge computer and spare battery simultaneously.

PCMCIA Slot

The PCMCIA slot accepts one type-II card. Insert the card firmly into the slot and fix the rubber cover for water/dust protection.

To remove the card, push the eject button to pop out the card. The eject button can hide into the compartment by pushing it inward gently.

It may be necessary to load PCMCIA card driver to enable the function.

Note: If the computer is working with dust, moisture, or water, is sure to fix the PCMCIA rubber cap tightly with screws.

SD Slot

The computer accepts one SD card (Secured Digital Card). Insert the card firmly into the slot and fix the rubber cover for water/dust protection. To remove the card, push the eject button to release it.

Note: If the computer is working with dust, moisture, or water, is sure to fix the SD rubber cap tightly with screws.

BASIC OPERATION

Get Help

Tap **Start → Help**

Get the needed information from the list or the bundled CD.

Calibrate Touch Screen

Tap **Start → Settings → System → Screen → Align Screen** to calibrate.

Adjust Volume

Tap speaker icon on the top bar and adjust the volume level as desired.

Set Button Functions

Tap **Start → Settings → Personal → Buttons**

Define the button functions from the selection list.

Today Screen

The today screen displays information of today's appointments and status icons, etc. Tap the information listed on today screen to execute the associated program. Tap **Start → Today** to enter Today screen.

Search a File

Tap **Start → Programs → Search**

In **Search**, enter the file name, word, or other information you want to search for. In **Type**, select a data type to help narrow your search. Tap **Search**, my document folder and subfolder are searched in the results list.

Manage Certificates

Tap **Start → Settings → System → Certificates**

Input your certificates. To delete a certificate, tap and hold it in the list, and then tap **Delete**.

Input

Tap **Start → Settings → Personal → Input**

Select the input method and option you want.

Menus

Tap **Start → Settings → Personal → Menus**

Select the items you want to appear on Start Menu.

Owner Information

Tap **Start → Settings → Personal → Owner Information**

Follow the descriptions. On the identification tab, enter your personal information. Tap **Options** select "**Show information when device is turn on**" your information will be displayed once power ON.

Password

Tap **Start → Settings → Personal → Lock**

Follow the descriptions to set password.

Sounds & Notifications

Tap **Start → Settings → Personal → Sound & Notification**

Set your favorite notifications.

Clock & Alarms

Tap **Start → Settings → System → Clock & Alarms**

Memory

Tap **Start → Settings → System → Memory**

Follow the descriptions.

The **main** tab displays the amount of memory the system has allocated to file and data storage versus the available memory.

The **storage card** tab displays how much memory is available on a storage card that is inserted in your device.

The **running programs** tab displays the list of the currently active programs. You can stop a program by selecting it on the list and tapping stop.

Power

Tap **Start → Settings → System → Power**

The **Battery** tab displays the amount of battery power remaining.

Remove Programs

Tap **Start → Settings → System → Remove Programs**

Follow the prompts to delete.

Reset the system

(Refer "**Controls, Indicators, and Ports**" for button location)

Soft Reset

Warning: Data not saved will be lost, and some settings will be lost (ex. portrait/landscape)

Try a soft reset when:

- The device does not respond when tapping the display.
- Or not respond when pressing a button.

To do a soft reset:

- Use the stylus to press the **reset button** on rear.
- The reset screen prompts.
- Automatically loading programs and data.
- Reset complete.

Hard Reset

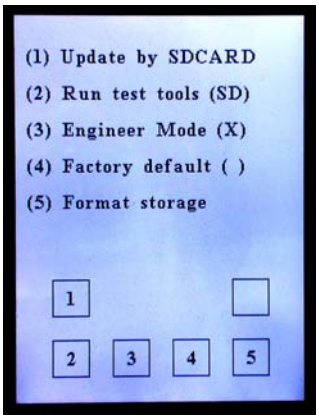
Warning: Data not saved will be lost, and some settings will be lost (ex. portrait/landscape)

Do a hard reset when:

- To restore the device to factory default settings.
- Forget the password and need to reset it.
- The device is experiencing severe operational problems, and has attempted a soft reset in vain.

To do a hard reset:

- Press and hold **power button** and use stylus to tap **reset button** on rear. (same procedure as soft reset)



<Clean Boot screen>

Clean Boot (Emergency Clear)

Warning: All data, either in RAM or saved in flash memory will be lost, all registry and user programs will be lost, and all settings will be reset back to factory default. Only OS and factory bundled programs intact.

When it is necessary to **remove all data and user programs completely**, perform Clean Boot.

- Press and hold **button 4** then tap **reset button** on rear. The Clean Boot screen prompts.
- Press **button 5** to format storage (to clean flash memory data). When done, press any button turns display back to Clean Boot screen.
- Use stylus to tap **reset button** on rear again to finish reset.
- Set parameters on prompted menus till complete.

Data Loss on Battery Swap

- Flash ROM: Saved data, registry, & user programs intact.
- RAM: Data intact.

(Internal backup battery usually can hold data for <5 minutes while primary battery swapping. Exceed this period RAM data may be lost.)

Data Loss on Battery Exhaust

Same as Hard Reset.

(Battery exhaust means both primary and internal back-up batteries are exhausted.)

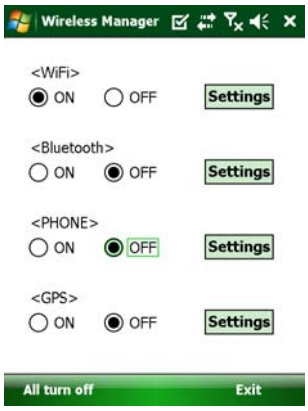
Wireless LAN (Option)

1. Connect to Internet:

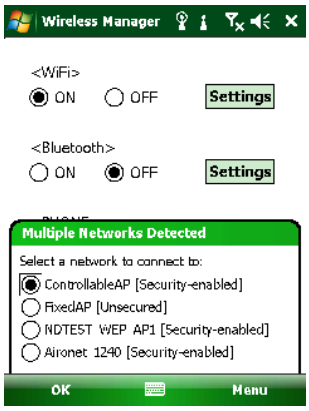
Turn on the Wireless Signals.

- Tap **Start → Settings → Connections**. (Or directly press ⩛ button to enter Figure 1-2)
- Tap **Wireless Manager** and select, select **ON** for checkbox **<WiFi>**. (Figure 1-1 & 1-2). Wireless function is enabled.

1-1



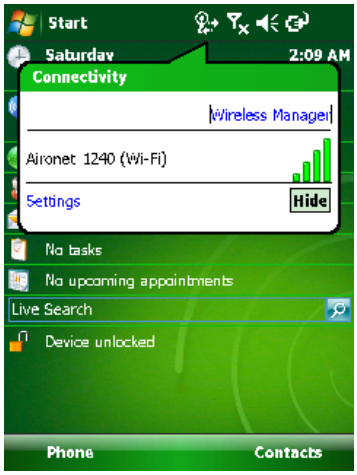
1-2



1-3

- If access point detected, select the access point name you want to connect to, tap Connect, then the Configure Network Authentication window will appear. Select the Authentication and Data Encryption type of the access point, enter the Network key (If not provide automatically), tap Next (Figure 1-3, 1-4)
- If the settings accepted then the Wireless works. (Figure 1-5)

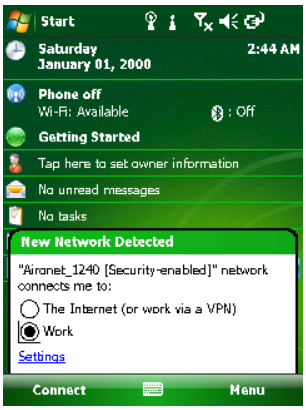
1-4



1-5

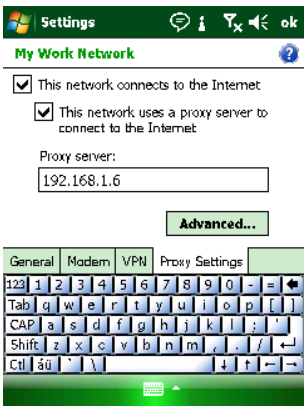
2. Access to the Intranet:

- Please refer to step 1.1 ~ step 1.4.
- Select **Work** option, if the intranet access is via Proxy Server, it needs to be set later. (Figure 2-1).
- Tap **Start → Settings → Connections** and tap **Connections** icon. (Figure 2-2)
- Select **Set up my proxy server** to setup proxy and other relative settings etc. (Figure 2-3 & 2-4)
- For example, if you connect to a computer (named MyDoc) in Client Microsoft Network, tap **Start → File Explorer**, select **Menu → Open Path → New Path**, it will pop up a dialog to prompt you enter the intranet path (\\MyDoc). (Figure 2-5)
- If you enter user name and password are correctly that you should be able to see intranet paths and files appear.

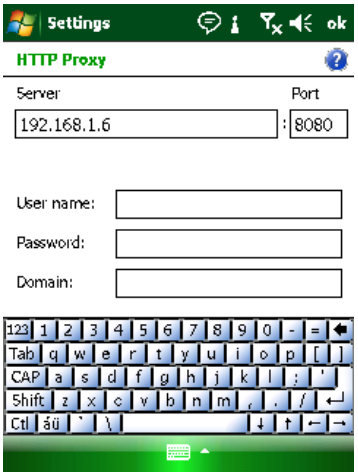


2-1

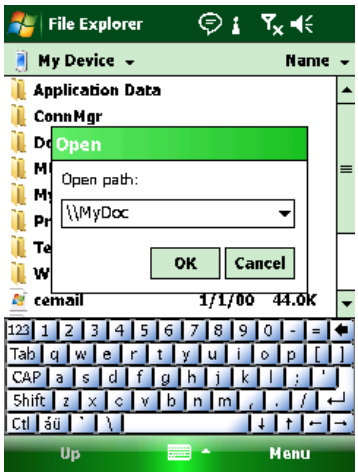
2-2



2-3



2-4



2-5

GSM/GPRS/HSDPA (Option)

GSM

Make sure the SIM card is mounted correctly then install the battery. SIM slot is under battery (Figure 3-1). Stick the label to seal the SIM slot (usually dealer had done it already).

Tap **Start → Settings → Connections**

Tap **Wireless Manager** and select "**<PHONE>**" then select checkbox to "ON". (Figure 3-2 &3-3)

Press "GSM" button on the keypad and screen will pop up a dial-up dialog.

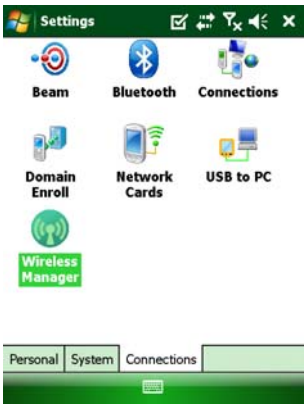
Note:

If you have a PIN code for SIM card, then you must input the code to enable SIM access and phone function. (Figure 3-4 & 3-5)

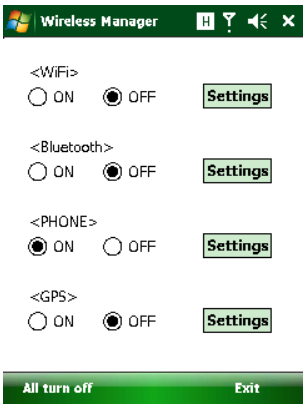
Now you can dial phone number to make a call.

Please note that both speaker and microphone are at the rear side of the unit.

3-1

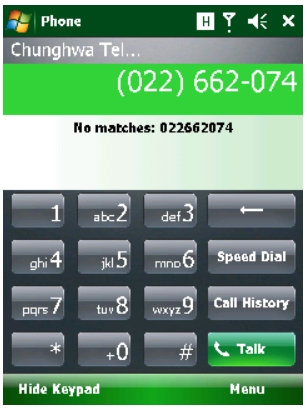


3-2



3-3

3-4



3-5

GPRS/HSDPA

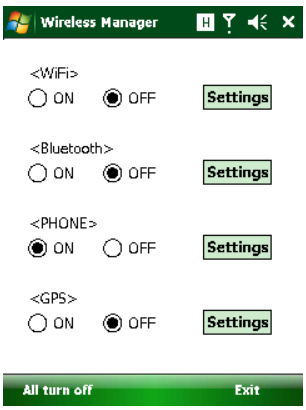
- Tap **Start → Settings → Connections** and select "**Add a new modem connection**" under "**My ISP**" item. (Figure 4-1)
- Select modem type to "Cellular Line (GPRS)", tap next, and then enter the Access Point Name (APN)

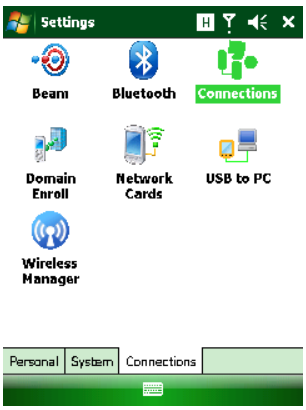
  Note:

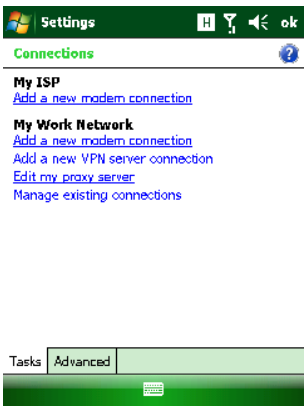
  It is most important to enter this name, and the APN is different for each ISP provider. Tap next, enter user Name and Password if needed, then GPRS settings will be done. (Figure 4-2 & 4-3)

Please note the option "Cellular Line" is different from "Cellular Line (GPRS)", "Cellular Line" is only applied to CSD connection, not support under 3/3.5G.

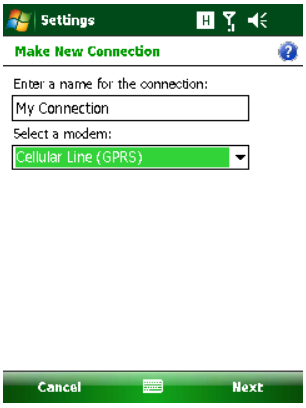
- Open Internet explorer, enter a URL for browse, the GPRS will connect automatically and the status will become Connected. (Figure 4-4)


Wireless Manager
<WiFi>
ON
OFF
Settings
<Bluetooth>
ON
OFF
Settings
<PHONE>
ON
OFF
Settings
<GPS>
ON
OFF
Settings
All turn off
Exit

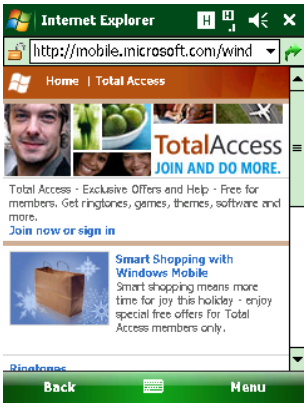

Settings
Beam
Bluetooth
Connections
Domain Enroll
Network Cards
USB to PC
Wireless Manager
Personal
System
Connections


Settings
ok
Connections
My ISP
Add a new modem connection
My Work Network
Add a new modem connection
Add a new VPN server connection
Edit my proxy server
Manage existing connections
Tasks
Advanced

4-1


Settings
Make New Connection
Enter a name for the connection:
My Connection
Select a modem:
Cellular Line (GPRS)
Cancel
Next

Settings
My Connection
Access point name:
internet
Back
Next


Internet Explorer
http://mobile.microsoft.com/wind
Home | Total Access
TotalAccess
JOIN AND DO MORE.
Total Access - Exclusive Offers and Help - Free for members. Get ringtones, games, themes, software and more.
Join now or sign in
Smart Shopping with Windows Mobile
Smart shopping means more time for joy this holiday - enjoy special free offers for Total Access members only.
Back
Menu

4-2 4-3 4-4

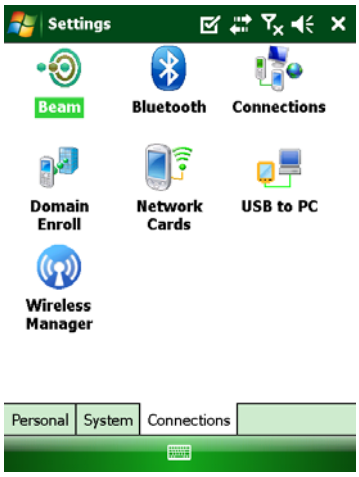
Bluetooth (Option)

1. Beam File function:

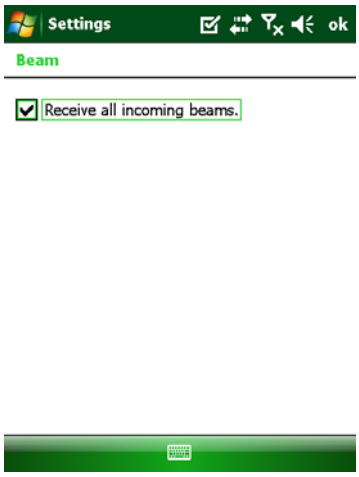
FTP Profile supports devices to transfer file.

Turn on Bluetooth via Wireless Manager.

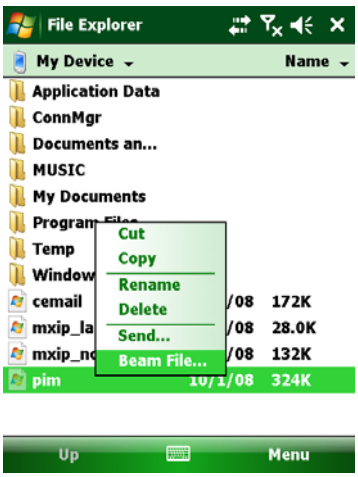
- Tap **Start → Settings → Connections→ Bluetooth**. (Figure 1-1)
- Tap **Start → Settings → Connections→ Beam** and make sure that the "Receive all incoming beams" option is checked. (Figure 1-2)
- Tap **Start → Program → File Explorer**, tap and hold the file name to be copied, until the pop-up menu appears, tap "**Beam File**". (Figure 1-3)
- Then you will see discoverable devices like following screen and tap the target device to begin file transfer process. (Figure 1-4)



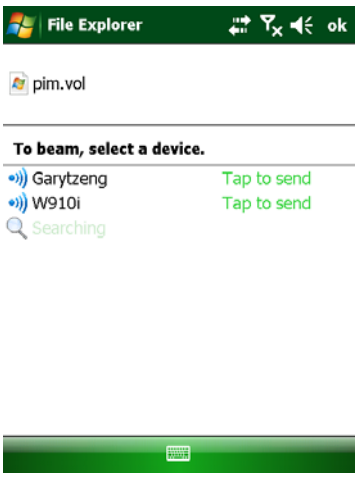
1-1



1-2



1-3



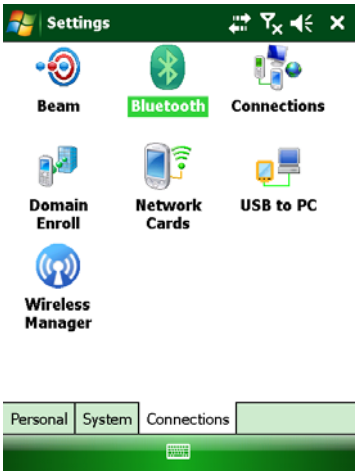
1-4

2. **OBEX Profile:**

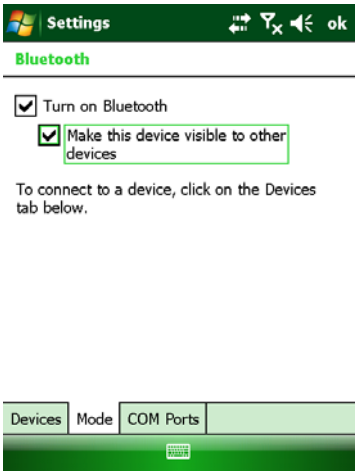
OBEX Profile supports devices to exchange data.

Turn on Bluetooth via Wireless Manager.

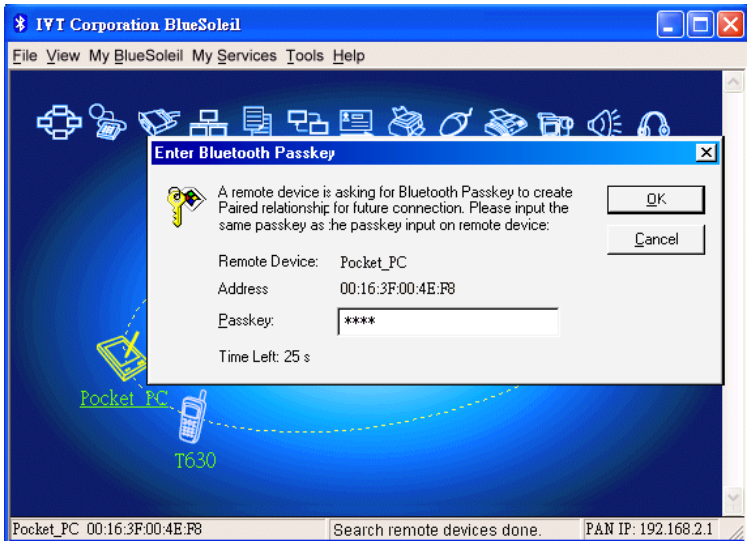
- Tap **Start → Settings → Connections → Bluetooth**. (Figure 2-1)
- Tap **Mode** and make sure that both "**Turn on Bluetooth**" and "**Make this device visible to other devices**" options are checked. (Figure 2-2)
- Launch Bluetooth Software (For this example: IVT Soleil) from PC. (Figure 2-3)
- Click Pocket_PC icon and click right mouse button then choice pairing option.
- To input pairing password with connected device. (Note: pairing password must same as remote device)(Figure 2-3)
- Meanwhile, device side will appear pairing password dialog as figure F2.4 and input password same as PC side. (Figure 2-4)
- Tap highlight icon "OBEX Service" from PC's IVT Soleil program then transfer Naming card to device. (Figure 2-5)
- Finally, the device will prompt a message asking you to save the data to contact list or not. (Figure 2-6)
-



2-1



2-2


IVT Corporation BlueSoleil
File View My BlueSoleil My Services Tools Help
Enter Bluetooth Passkey
A remote device is asking for Bluetooth Passkey to create Paired relationship for future connection. Please input the same passkey as the passkey input on remote device:
OK
Cancel
Remote Device: Pocket_PC
Address 00:16:3F:00:4E:F8
Passkey: ****
Time Left: 25 s
Pocket_PC
T630
Pocket_PC 00:16:3F:00:4E:F8
Search remote devices done.
PAN IP: 192.168.2.1

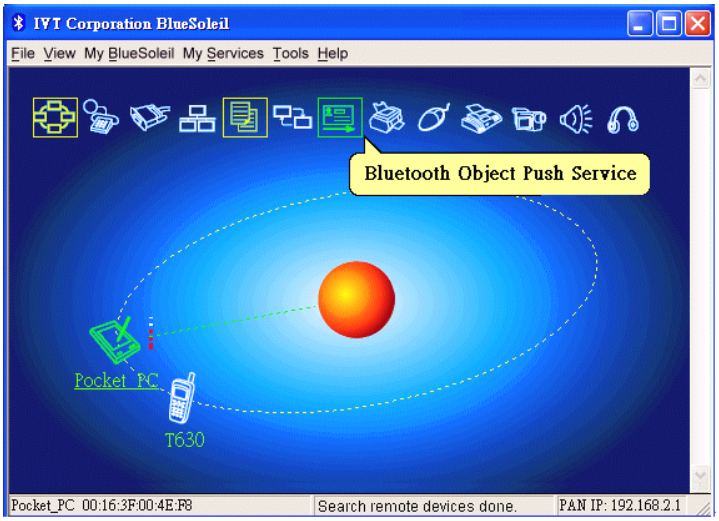
2-3

Settings
Enter Passcode
Enter a passcode to establish a secure connection with PLATFORM.
Press 'Next' to continue if a passcode is not required.
Passcode:
****
Back
Next

2-4

File Explorer
My Device
Name
Application Data
ConnMgr
Documents an...
MUSIC
My Documents
Program Files
Temp
Windows
Bluetooth
SOFTWARE wants to connect with your device using Bluetooth. Do you want to add SOFTWARE to your device list?
Yes
No
Hide

2-5


IVT Corporation BlueSoleil
File View My BlueSoleil My Services Tools Help
Bluetooth Object Push Service
Pocket_PC
T630
Pocket_PC 00:16:3F:00:4E:F8
Search remote devices done.
PAN IP: 192.168.2.1

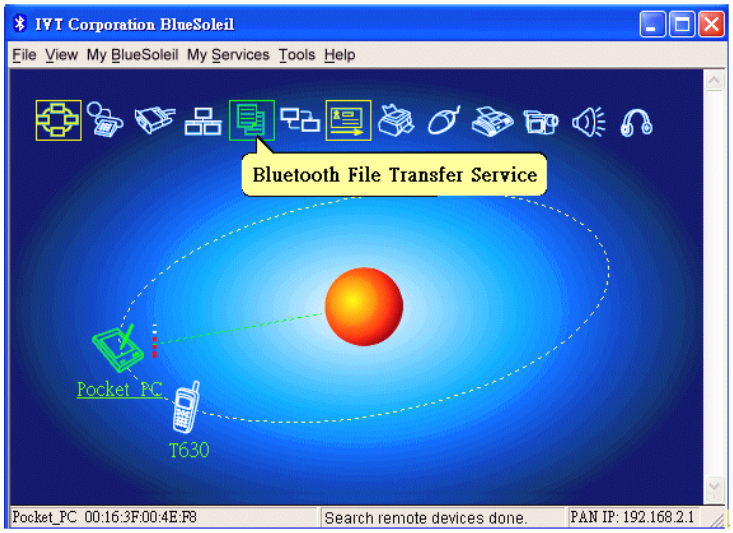
2-5

3. **FTP Profile:**

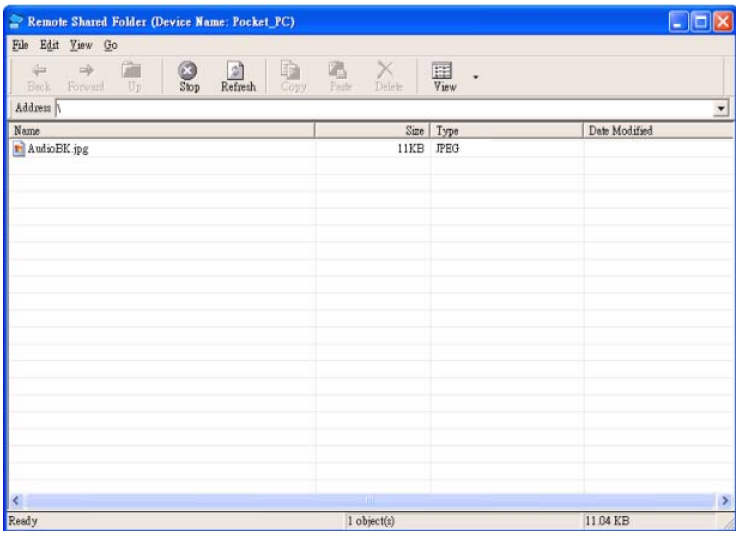
FTP Profile supports transfer file between Bluetooth devices.

Turn on Bluetooth via Wireless Manager.

- Please refer to step 2.1 ~ step 2.6.
- Tap highlight icon "**FTP Service**" from PC's IVT Soleil program then transfer Naming card to device. (Figure 3-1)
- Finally, drag target file from File Explorer and drop to "Remote share folder" then file transfer will be done. (Figure 3-2)



3-1



3-2

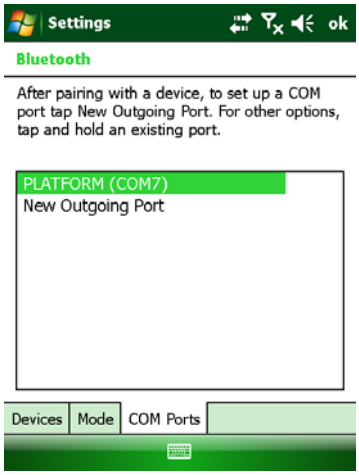
4. **ActiveSync Profile:**

ActiveSync Profile supports the use of ActiveSync over a Bluetooth connection.

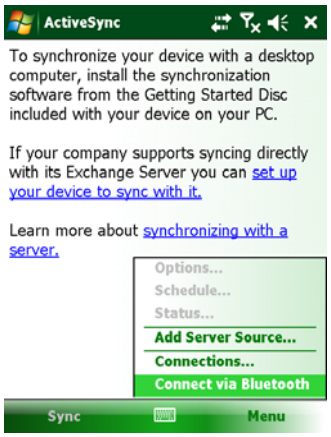
Turn on Bluetooth via Wireless Manager.

- Make sure the USB Activesync cable not connected to PC
- Tap **Start → Settings → Connections**. (Figure 2-1)
- Tap **Bluetooth → Device → Add new device** to search PC Bluetooth host devices. (Figure 4-1)
- Tap **COM Ports → New Outgoing Port** and tap target device like “ttt-fbggsz39grh”, tap “**Next**” and choice virtual com port. Here it assumed is “COM7” for we need. (Figure 4-2)
- Tap **Start → Programs → ActiveSync and choice** “**Connect via Bluetooth**” option. (Figure 4-3)
- Execute Microsoft ActiveSync from your PC and make sure select “COM7” option to make a Bluetooth ActiveSync connection. (Figure 4-4)

4-1


Settings
ok
Bluetooth
After pairing with a device, to set up a COM port tap New Outgoing Port. For other options, tap and hold an existing port.
PLATFORM (COM7)
New Outgoing Port
Devices
Mode
COM Ports

4-2


ActiveSync
To synchronize your device with a desktop computer, install the synchronization software from the Getting Started Disc included with your device on your PC.
If your company supports syncing directly with its Exchange Server you can set up your device to sync with it.
Learn more about synchronizing with a server.
Options...
Schedule...
Status...
Add Server Source...
Connections...
Connect via Bluetooth
Sync
Menu

4-3

4-4

5. **A2DP Profile (Not support in Windows Mobile 6.0/6.1):**

A2DP Profile supports sending high quality audio data to peer Bluetooth devices.

Turn on Bluetooth via Wireless Manager.

- Prepare a Bluetooth headset that support A2DP profile, and set the device into pairing mode.
- Tap **Start → Settings → Connections**. (Figure 2-1)
- Tap **Bluetooth → Device → Add new device** to pairing a Bluetooth A2DP device. (Figure 5-1)
- To input the pairing password (for example “0000”) and task bar will appear headset icon if pairing successfully.
- Now you could play music or video file and heard sound from the headset device.

5-1

6. **Hands-Free/HandSet Profile:**

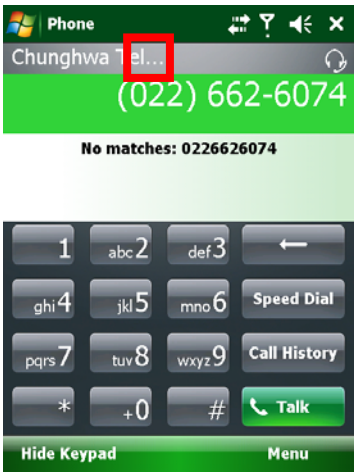
Handset profile supports interoperability between a headset and a mobile device, such as a cellular phone.

Hands-Free Profile supports conjunction with a hands-free device over Bluetooth.

Turn on Bluetooth via Wireless Manager.

- Prepare a Bluetooth headset that supports Hand-Free profile, and set the headset into pairing mode
- Tap **Start → Settings → Connections**. (Figure 2-1)
- Tap **Bluetooth → Device → Add new device** to search Hand-Free device. (Figure 5-1)
- To input the pairing password is “0000” and task bar will appear headset icon if pairing successfully.
- Now you could press Hand-Free button from remote device and see phone’s dial-up dialog appear for your operating. (Figure 6-1 & 6-2)

6-1



6-2

7. **SPP Profile:**

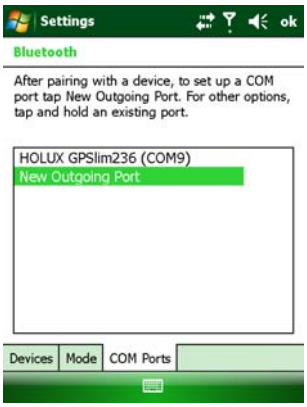
Turn on Bluetooth via Wireless Manager.

- Prepare a Bluetooth device that support SPP profile (Like Bluetooth GPS), and set the device into pairing mode.
- Tap **Start → Settings → Connections**. (Figure 2-1)

- Tap **Bluetooth → Device → Add new device** to search SPP device. (Figure 7-1)
- The available Bluetooth SPP device will show in the list and assigned a virtual COM port, tap the device to pairing. (Figure 7-2)
- Assume and type the pairing password is “0000”.
- Add an Outgoing Port after pairing success in the COM ports page. (Figure 7-3)
- Now you could receive GPS data from Bluetooth GPS device in GPS navigation software, and the GPS COM port is the Bluetooth virtual COM port that created in previous step

7-1

7-2


Settings
ok
Bluetooth
After pairing with a device, to set up a COM port tap New Outgoing Port. For other options, tap and hold an existing port.
HOLUX GPSlim236 (COM9)
New Outgoing Port
Devices
Mode
COM Ports

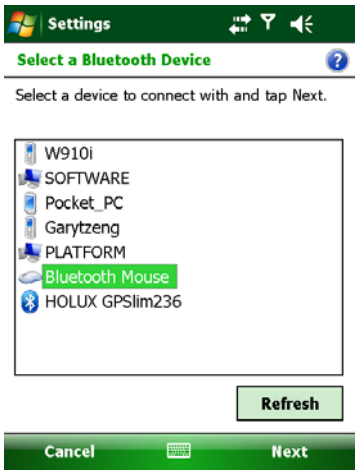
7-3

8. **HID Profile:**

Turn on Bluetooth via Wireless Manager.

- Prepare a Bluetooth device that support HID profile (Like Bluetooth mouse or keyboard), and set the device into pairing mode.
- Tap **Start → Settings → Connections**
- Tap **Bluetooth → Device,** and tap “**Add new device**” to search Bluetooth HID Mouse device. (Figure 8-1)
- Assume and enter the pairing password is “1234”.
- Now you could use Bluetooth HID Mouse to move mouse position and click.

  (Figure 8-2)
- Bluetooth HID Keyboard is same as Bluetooth HID Mouse settings and will be used for keyboard input.



8-1

8-2

GPS/GPS external Antenna (Option)

Press Button 1 to launch Wireless Manager. Click Settings on the right side of the GPS On/Off switch, the Setting GPS Antenna dialog will pop up; select the antenna type for your current setup:

- **Internal**: Use internal GPS antenna, default setting.
- **External**: Use external GPS antenna (Option)
- Clicks “X” to close the dialog and save your setting.
-

Warning: The external antenna must be installed if the antenna type is set to “External”, otherwise GPS module will not work properly.

Standard/default GPS operation is with internal antenna.

SPECIFICATIONS

CPU

Type:	Marvell PXA270
Speed:	624MHz

Memory

RAM	1Gb
ROM	1GB

Display

LCD Type:	4” (102mm) Active TFT Transflective Colour LCD
Touch Overlay:	Interelectronix brand ‘ULTRA’ ruggedised touchscreen
Resolution:	480 x 640 pixels (with landscape or portrait modes)
Backlight:	LED
Output:	75 NIT (approx)
Colours:	64K

Touch Screen

Type:	Resistive
Interface:	Serial

I/O ports

USB 2.0 port x 1
USB client (mini-USB) port x 1
Serial port x 1
Audio ports (Microphone/Earphone) x 1
PCMCIA slot type II x 1
SD slot x 1

Unit Dimensions and Weight

Width: 90mm (W)
Depth: 150mm (H)
Height: 33mm (D)
Weight: 450 grams

AC Adapter

Voltage:	100-240 VAC
Frequency:	50/60 Hz
Output Voltage:	12VDC, 3 AMPS
Maximum Power:	36 Watts
Dimension:	108mm (W) x 56mm (D) x 34mm (H)
Weight:	270 grams

Battery

Type:	Lithium Ion
Capacity:	3.7V 3900mAH
Dimension:	71mm (W) x 64mm (D) x 12.3mm (H)
Weight:	108 grams

Materials and Recycling

Materials of the computer are as follows:

Cabinet:	Aluminum alloy ADC-12 or A380
	Magnesium alloy AZ91D
	UL grade PC+ABS GE C6200 or TN-3813BW
Bracket:	Aluminum 5052, steel with Nickel plating, or stainless Steel S304
Cushion pad:	Nature rubber
PCB:	FR-4, UL 94V0
Battery:	Rechargeable Lithium Ion & Lithium polymer
Packing:	Carton: Recycled/Recyclable unbleached paper User's Guide: Recycled/Recyclable paper

Opentec is part of a group of companies actively supporting waste minimisation initiatives. Please recycle the parts responsibly, abiding by local regulations and ‘best practices’ available.

MAINTENANCE / SERVICE

Cleaning

ALWAYS turn OFF the power, unplug the power cord and remove the battery before cleaning.

The exterior of the system and display may be wiped with a clean, soft, and lint-free cloth. If there is difficulty removing dirt, apply non-ammonia, non-alcohol based glass cleaner to the cloth and wipe.

An air gun is recommended for cleaning water and dust. For salty water please clean with fresh water then blow-dry with an air gun. Be sure close all caps tightly before water cleaning.

Troubleshooting

Should the computer fail to function properly, the troubleshooting steps below may be followed. (Please backup your data before troubleshooting)

- Check AC adapter, battery, and the power source.
- Press reset to re-boot the computer.
- Remove the software suspected.
- Press hard reset to re-boot the computer.

RMA Service

If troubleshooting steps are unsuccessful, consult your dealer for an Return Material Authorisation (RMA). Goods will not be accepted by the manufacturer without an RMA and will be returned at the sender's expense.

Shipping instructions:

1. Remove any personal add-on devices or other media.
2. Use the original shipping container and packing materials, if possible.
3. If the original packing materials are not available, wrap the equipment with soft material (e.g. PU or PE) then put the wrapped equipment into a hard (eg corrugated cardboard) shipping box.
4. Include a sheet with the following information: (Note: Please keep a copy of this sheet for your records.)
    a. Name
    b. Address
    c. Unit serial number
    d. Place and date of purchase or the original invoice number
    e. Date of failure
    f. A DETAILED description of the problems you have encountered including: The operating system, the add-on device installed (if any), the application software, the failure phenomenon, etc.
    g. A list of the hardware/software configuration, if applicable.
5. Clearly mark the outside of the shipping box with the RMA #. If an RMA # is not present on the shipping box, Opentec/IVTT goods in/receiving will be unable to identify it and the goods will be returned to sender.
6. Unless prior arrangements have been made, the customer is responsible for all shipping costs to Opentec.

Opentec Solutions Pty Ltd

(a division of Inventis Technology)

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